

LOG OF MEETING DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: UL 8400 STP Meeting on Immersive Technologies

DATE OF MEETING: August 24, 2022, 7:00pm, ET

LOG ENTRY SOURCE: Treye Thomas (EXHR)

DATE OF LOG ENTRY: September 13, 2022

LOCATION: Teleconference

CPSC ATTENDEE(S): Treye Thomas (EXHR) and Stephen Harsanyi (ESHF)

NON-CPSC ATTENDEE(S): Contact UL for the attendee list.

Summary of Meeting:

The standard technical panel (STP) for draft standard UL 8400, *The Proposed First Edition of the Standard for Safety for Virtual Reality, Augmented Reality, and Mixed Reality Technology Equipment*, met to discuss requirements for Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR) products. The STP discussed comments and recommended revisions to the recently balloted first edition of UL 8400 (ballot closed on August 2, 2022).

The STP discussed clauses and related annexes pertaining to the following topics, among others: terms, definitions, abbreviations, general requirements, see-through visual functions, flicker, skin compatibility, and exposure of eyes to thermal energy. STP members debated the extent to which various requirements should be informative rather than normative until more complete research is acquired. One STP member explained that it is important that we incorporate critical components in the standard because it may be months or even years before the next edition is published. A representative from UL explained that the standard is dynamic and would be updated iteratively over time. CPSC staff was asked if CPSC is planning to make the standard a mandatory standard, to which CPSC staff explained that CPSC typically begins with a voluntary standard and assesses the adequacy of the standard and compliance with the standard before promulgating mandatory rules. Regarding the discussion pertaining to skin compatibility, CPSC staff expressed concerns for communicable illnesses and chemical migration, such as in commercial, shared use of VR equipment. The STP also discussed risk assessments and the consideration of the complete product design including any potential introduction impact to skin compatibility during manufacturing and servicing (servicing in accordance with the manufacturer recommended cleaning procedures).

Next Steps:

The STP will meet again on September 27, 2022, at 7pm, ET. The STP will continue discussing the comments and recommended revisions on the recent ballot.